

CLIPPEDIMAGE= JP402066255A

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TITLE: BUILDING PANEL MADE OF THIN THICKNESS STEEL

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INVENTOR-INFORMATION:
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ABSTRACT:

PURPOSE: To improve strength and corrosion resistivity without increasing weight by forming a combined backing layer of an iron nitride layer and an oxide film on a thin thickness steel base plate, while providing a resin foam layer in a recessed hollow part provided on the back side.

CONSTITUTION: A combined backing layer of a iron nitride layer by nitriding or soft nitriding treatment and an oxide film by oxidation treatment is formed on a thin thickness of formed steel base plate 2 provided with a recessed hollow part 3 on the back side. Next, a coating layer is provided on the front side, and in the recessed hollow part 3 on the back, a resin foam layer 9 is provided directly or via a coated layer. Thereby, tensile strength and corrosion resistivity can be increased greatly without increasing weight, and moreover as securing strength against bending, twist and the like held on the steel base plate 2 itself.

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